

#### ABSTRACT

The inventive spark plug for an internal combustion engine (110) comprises a body (27) fixed to the engine, a core (29) which extends in an elongation direction (11), is connected to the body and extended inside a combustion chamber (9) of the engine. Said spark plug also comprises measuring means (200, 55, 65) for measuring the internal pressure in the combustion chamber (9) by the displacement of the core (29) under the effect of said pressure. Said spark plug is characterised in that it is provided with means (50, 60) which make it possible to measure the displacement of the core with respect to a cylinder head (5) of the engine on which said spark plug is arranged. A vehicle provided with said spark plug is also disclosed.